

striking forms of *Anthrocera* taken or bred by him this year, including dwarf *A. trifolii* and curiously marked examples of *A. hippocrepidis* and *A. filipendulæ*. Mr. Barnett, dark forms of *Cheimatobia boreata* and of *Oporabia dilutata* from West Wickham and Wimbleton respectively. Mr. Robert Adkin, series of *Agriades coridon* ♀s from Eastbourne, showing eight or nine lines of variation; he also showed a bred series of *Polia chi* from Huddersfield ova. Mr. Sich read a paper entitled "Notes on *Gelechia hermannella*."

Thursday, January 13th, 1910.—The President in the Chair.

Mr. South exhibited, on behalf of Mr. More, of Barnet, specimens of *Coleoptera*, &c., mounted on transparent gelatine cards allowing of ready examination. Mr. Adkin, a series of *Selenia bilunaria* bred from Eastbourne ova, and read notes on the brood. Mr. Lucas, photographs of *Hybernia defoliaria* taken on January 4th and 5th. Mr. Turner, on behalf of Rev. C. R. N. Burrows, series of the genus *Hydræcia*, *H. nictitans*, *H. paludis*, *H. lucens*, and *H. crinanensis*, together with microscopical preparations of the genitalia and photographs of the same. Mr. Tonge, a bred series of *Cidaria miata* from Chichester, a bred pair of *Catocala fraxini* from ova laid by a ♀ taken at Horsham, and two species of *Hymenoptera* bred from a bamboo cane standing in a garden at Red Hill. Mr. Newman, living specimens of *Pyrameis atalanta*, which he was endeavouring to hibernate. Mr. A. H. Hemming, an under-side aberration of *Polyommatus icarus* taken at Red Hill, in which the submedian spots were closely clustered around the discoidals, while on the hind-wings some spots were obsolete. Mr. Enock gave a lantern demonstration of the life-histories of *Gonepteryx rhamni*, *Dicranura vinula*, and *Urapteryx sambucaria*, and many illustrations of the marvellous and delicate Hymenopterous egg-parasites, *Mymaridæ*.—HY. J. TURNER, Hon. Secretary.

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#### DIPTERA TAKEN AT MORTEHOE, NORTH DEVON.

BY G. B. LONGSTAFF, M.A., M.D.

This list is obviously the work of a beginner. Those groups of flies whose habits of life force them upon the notice of a Lepidopterist have naturally enough been the first to attract his attention; but Mr. G. H. Verrall's grand volume on the *Syrphidæ* has contributed not a little to the attractions of that family.

My best thanks are due to Mr. Verrall, to Mr. E. E. Austen and his assistant Mr. Hills, as well as to Mr. A. H. Hamm, for their patient assistance in naming specimens.

#### MYCETOPHILIDÆ.

*Sciara thomæ*, L.—One at Borough, July 29th; another Twitchen, on *Angelica*, August 26th, 1909,

## BIBIONIDÆ.

*Dilophus febrilis*, L.—Found as the prey of *Empis tessellata*, F., May 26th, 1905.

*Bibio marci*, L.—Abundant.

## TIPULIDÆ.

*Tipula oleracea*, L.—Once seen in the jaws of *Asilus crabroniformis*, L., again as the prey of *Philonicus albiceps*, Mg. In the autumn, if a strong east wind be blowing, it is curious to watch this insect on Woolacombe sands. Thousands of the flies blown from the land attempt to settle on the shore; for a few moments they dither in the wind upon their long legs, but are soon swept on, rolling over and over along the smooth sand; now and again between the gusts they recover their legs, but the process is repeated until at last the all-devouring waves are reached.

## STRATIOMYIDÆ.

*Sargus flavipes*, Mg.—A ♀ in my garden, Sept. 16th, 1909; *S. cuprarius*, L. One in my garden, July 28th, 1908.

*Chloromyia formosa*, Scop.—Common, July 20th—August 5th. The remains of one found as the prey of the sawfly *Allantus? arcuatus*, Scop.

*Microchrysa polita*, L.—One at Twitchen, May 29th, but common the last week of July. Fond of settling on leaves of *Hydrangea*.

*Beris morrisii*, Dale.—Two specimens: Twitchen Garden, July 22nd, Borough, July 29th, 1909.

## TABANIDÆ.

*Hæmatopota pluvialis*, L.—Only too abundant.

*Tabanus maculicornis*, Ztt.—Borough, not common. *Chrysops cæcutiens*, L.—This exquisite fly is scarce at Twitchen, common at Borough.

## LEPTIDÆ.

*Leptis scolopacea*, L.—One, Mortehoe, May 26th, 1905; another at Borough, June 4th, 1906. *L. tringaria*, L.—A ♀ with prey (which was lost), Borough, July 19th; another at Woolacombe, July 26th, 1909.

*Chrysopilus cristatus*, F.—Borough, several by sweeping amongst *Inula dysenterica*, July 23rd, 1909.

## ASILIDÆ.

*Leptogaster cylindrica*, Deg.—One of this *Agrion*-like fly at Twitchen, July 28th, 1908.

*Dioctria rufipes*, Deg.—One at Borough, July 21st, 1908.

*Asilus crabroniformis*, L.—This formidable fly is not uncommon in some years; its buzz is almost as terrible and as suggestive of a hornet as its appearance. It is most commonly seen settled on very short grass on high land. Only once have I seen one with prey, a large Daddy-long-legs.

*Philonicus albiceps*, Mg.—Frequent on Woolacombe sand-hills close to the sea in July and August; it usually settles on the bare sand. Once I saw a ♀ devouring a blue-bottle (*Calliphora vomitoria*, L.) and whilst so engaged a ♂ fly pounced upon it and I netted all three. Another was taken flying with *Tipula oleracea*, L., in its grasp.

*Epitriptus cingulatus*, F.—Twitchen; taken by Dr. Dixey, August 9th—12th, 1897, also by myself, July 20th, 1908.

*Machimus atricapillus*, Fln.—One at Twitchen, August 22nd, 1907; another at Barnage, July 3rd, 1908.

#### BOMBYLIDÆ.

*Anthrax paniscus*, Rossi.—This pretty fly, so suggestive of a tiny *Hemaris fuciformis*, L., has occurred at Twitchen, but is commoner on the sand-hills at Woolacombe, July 27th—September 10th. [Also on Braunton Burrows, September 10th, 1907].

#### THEREVIDÆ.

*Thereva nobilitata*, F.—Woolacombe sand-hills August 24th, 1906 [Venton, George Ham parish, July 21st, 1909].

#### EMPIDÆ.

*Empis tessellata*, F.—Abundant, May 28th—July 19th. I have frequently captured it with prey, viz., *Dilophus febrilis*, L.; *Bibio marci*, L.; *Hylemyia* sp. ♂; *Mydæa* sp. ♂;\* a ♂ with *Lucilia cæsar*, L.; and a ♂ with *Syrphus ribesii*, L. *E. livida*, L.—Twitchen, Woolacombe; nearly as common as the last, especially in the third week of July; two specimens with prey (unnamed flies). *E. punctata*, Mg., Twitchen, Borongh, May 28th—June 1st.

*Pachymeria femorata*, F.—Twitchen, flying in numbers under beech-trees, May 29th; a ♀ at Twitchen watched sucking honey from *Scabiosa arvensis*, July 24th.

#### DOLICHOPODIDÆ.

*Dolichopus? æneus*, Deg.—Twitchen garden, July 25th, 1909.

#### SYRPHIDÆ.

*Liogaster metallina*, F.—Three females at Twitchen, May 29th, 1909.

*Chrysogaster splendens*, Mg.—Twitchen, on flowers of *Angelica*, August 25th—September 19th, 1909; *C. solstitialis*, Fln., common on *Umbelliferæ*, July 20th—August 6th, 1909.

*Chilosia variabilis*, Pz.—Twitchen, several on flowers and leaves, end of July, 1909. *C. honesta*, Rnd., a ♀ at Twitchen, August 13th, 1909. *C. illustrata*, Harris. common, sometimes abundant, on Ragwort and *Umbelliferæ*, May, July, August; a fairly good mimic of *Bombus sylvarum*, L., the two occur together, sometimes even on the same flower-head. *C. albicansis*, Mg., one at Twitchen, May 29th, 1909; *C. fraterna*, Mg., one at Twitchen, August 9th, 1909; *C. bergstammi*, Beck., two ♂, one ♀, Twitchen, August 13th—25th, 1909.; *C. retutina*, Lw. Of this recent addition to the British fauna I took a ♂ near Twitchen on the flowers of *Chærophyllum sylvestre*, August 17th, 1909. Mr. Verrall detected it among some troublesome little Syrphids, which he was good enough to name for me; *C. cynocephala*, Lw., one at Twitchen, May 29th, 1909.

*Platychirus manicatus*, Mg.—Females only, May, August, September; *P. scutatus*, Mg., one ♂, two ♀, Twitchen, August 7th—9th.; *P. albimanus*, F., common, the sexes in equal numbers, July 24th—September 20th; *P. chypeatus*, Mg., one ♂, three ♀, August 7th—September 19th.

\* See POULTON, *Trans. Ent. Soc. Lond.*, 1906, pp. 381, 382.

**NOTE.**—Subscriptions for 1910 (6s. per annum, post free) are now due, and should be paid to R. W. LLOYD, I. 5, Albany, Piccadilly, London, W.

It would be a great convenience to the Editors in keeping the accounts if these were paid promptly, as having to send reminders entails a considerable amount of extra work.

The Coloured Plate issued last September having been so much appreciated by our readers, another (devoted to *Hymenoptera* and *Coleoptera*) was given with the Jan. number. The Editors would be greatly obliged if the Subscribers to this Magazine would use their best endeavours to bring it to the notice of their entomological friends, and induce them to subscribe also. Another Plate is in course of preparation, and it will be presented during the year 1910.

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